

## WEST Search History

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DATE: Thursday, January 15, 2004

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<input type="checkbox"/>	L4	L3 and 424/450.ccls.	11
<input type="checkbox"/>	L3	liposome\$ same lyophili\$ same (polysaccharide\$ or starch or cellulose\$)	91
<input type="checkbox"/>	L2	L1 and 424/450.ccls.	14
<input type="checkbox"/>	L1	liposome\$ adj10 starch	90

END OF SEARCH HISTORY

## Hit List

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Generate OACS				

Search Results - Record(s) 1 through 14 of 14 returned.

☐ 1. Document ID: US 6479033 B1

Using default format because multiple data bases are involved.

L2: Entry 1 of 14

File: USPT

Nov 12, 2002

US-PAT-NO: 6479033

DOCUMENT-IDENTIFIER: US 6479033 B1

TITLE: Antitumor cystostatic and contrast agent

DATE-ISSUED: November 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reszka; Regina	Schwanebeck			DE
Pohlen; Uwe	Berlin			DE
Stiller; Detlef	Magdeburg			DE
Berger; Gerd	Berlin			DE
Lippmann; Matthias	Berlin			DE

US-CL-CURRENT: 424/9.32; 424/450, 424/9.3, 424/9.36, 424/9.4, 424/9.45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw D
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☐ 2. Document ID: US 6387398 B1

L2: Entry 2 of 14

File: USPT

May 14, 2002

US-PAT-NO: 6387398

DOCUMENT-IDENTIFIER: US 6387398 B1

TITLE: Process for producing cosmetic and pharmaceutical formulations, and products comprising same

DATE-ISSUED: May 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vollhardt; Jurgen	Lincoln Park	NJ		
Malkan; Nisha	Nanuet	NY		
Manzo; Robert P.	Goshen	NY		

US-CL-CURRENT: 424/450; 424/401, 424/484, 424/485, 424/488, 424/489, 424/490,  
424/493, 424/496, 424/499, 424/500, 424/64 , 424/65

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw De
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☐ 3. Document ID: US 6207133 B1

L2: Entry 3 of 14

File: USPT

Mar 27, 2001

US-PAT-NO: 6207133

DOCUMENT-IDENTIFIER: US 6207133 B1

TITLE: Anti-tumoral therapy agent containing a contrast agent

DATE-ISSUED: March 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reszka; Regina	Schwanebeck			DE
Berger; Gerd	Berlin			DE
Pohlen; Uwe	Berlin			DE
Jung; Marion	Berlin			DE

US-CL-CURRENT: 424/9.321; 424/450, 424/9.4, 424/9.43, 424/9.45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw De
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☐ 4. Document ID: US 6083529 A

L2: Entry 4 of 14

File: USPT

Jul 4, 2000

US-PAT-NO: 6083529

DOCUMENT-IDENTIFIER: US 6083529 A

TITLE: Liposome encapsulated active agent dry powder composition

DATE-ISSUED: July 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Manzo; Robert P.	Goshen	NY		
Vollhardt; Jurgen	Holzminden			DE
Malkan; Nisha	Nanuet	NY		
Friars; Gary	Midland Park	NJ		

US-CL-CURRENT: 424/450; 424/484, 424/485, 424/488, 424/489, 424/490, 424/493,  
424/496, 424/499, 424/500, 424/69

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw De
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Apr 4, 2000

DOCUMENT-IDENTIFIER: US 6045823 A

DATE-ISSUED: April 4, 2000

## INVENTOR - INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vollhardt; Jurgen	Holzminden			DE
Manzo; Robert P.	Goshen	NY		
Malkan; Nisha	Nanuet	NY		

US-CL-CURRENT: 424/450; 424/401, 424/484, 424/485, 424/488, 424/64, 424/65

Full	Title	Citation	Front	Review	Classification	Date	Reference	Comments	Abstract	Claims	KOMC	Draw D
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Feb 29, 2000

DOCUMENT-IDENTIFIER: US 6030639 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Treatment using prostoglandin and particulate formulations

DATE-ISSUED: February 29, 2000

## INVENTOR- INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Janoff; Andrew S.	Yardley	PA		
Eierman; David F.	Kingston	NJ		

US-CL-CURRENT: 424/450; 424/489, 424/490, 424/497, 424/498, 514/573

Full	Title	Citation	Front	Review	Classification	Date	Reference	Support	Adm	Claims	KOMC	Draw	Draw
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Oct 5, 1999

DOCUMENT-IDENTIFIER: US 5962015 A

TITLE: Stabilized liposomes

DATE-ISSUED: October 5, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Delrieu; Pascal	Castanet Tolosan			FR
Ding; Li	Castanet Tolosan			FR

US-CL-CURRENT: 424/450; 424/401

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw De
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☐ 8. Document ID: US 5840328 A

L2: Entry 8 of 14

File: USPT

Nov 24, 1998

US-PAT-NO: 5840328

DOCUMENT-IDENTIFIER: US 5840328 A

TITLE: Treatment using arachidonic acid metabolite and particulate formulations

DATE-ISSUED: November 24, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Janoff; Andrew S.	Yardley	PA		
Eierman; David F.	Kingston	NJ		

US-CL-CURRENT: 424/450; 424/501, 514/573

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw De
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☐ 9. Document ID: US 5783211 A

L2: Entry 9 of 14

File: USPT

Jul 21, 1998

US-PAT-NO: 5783211

DOCUMENT-IDENTIFIER: US 5783211 A

TITLE: Liposome encapsulated active agent dry powder composition

DATE-ISSUED: July 21, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Manzo; Robert P.	Goshen	NY		
Vollhardt; Jurgen	Bevern	NY		
Malkan; Nisha	Nanuet	NY		
Friars; Gary	Midland Park	NJ		

US-CL-CURRENT: 424/450; 424/484, 424/485, 424/488, 424/489, 424/490, 424/493,  
424/496, 424/499, 424/500, 424/69

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw D
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☐ 10. Document ID: US 5741513 A

L2: Entry 10 of 14

File: USPT

Apr 21, 1998

US-PAT-NO: 5741513

DOCUMENT-IDENTIFIER: US 5741513 A

TITLE: Alcoholic aqueous gel-like phospholipid composition, its use and topical preparations containing it

DATE-ISSUED: April 21, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ghyczy; Miklos	Koln			DE
Roding; Joachim	Wiesbaden			DE
Lautenschlager; Hans	Pulheim			DE
Hameister; Walter	Pulheim			DE
Hager; Jorg	Koln			DE

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3, 424/401, 514/944

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw D
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☐ 11. Document ID: US 5711965 A

L2: Entry 11 of 14

File: USPT

Jan 27, 1998

US-PAT-NO: 5711965

DOCUMENT-IDENTIFIER: US 5711965 A

TITLE: Alcoholic aqueous gel-type phospholipid composition, its use and topical preparation containing it

DATE-ISSUED: January 27, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ghyczy; Miklos	Koln			DE
Roding; Joachim	Wiesbaden			DE
Lautenschlager; Hans	Pulheim			DE
Hameister; Walter	Pulheim			DE
Hager; Jorg	Koln			DE

US-CL-CURRENT: 424/450; 424/400, 424/401, 424/417, 424/420, 428/402.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Seq. No.	Alt. Seq. No.	Claims	KWIC	Draw. De
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☐ 12. Document ID: US 5147652 A

L2: Entry 12 of 14

File: USPT

Sep 15, 1992

US-PAT-NO: 5147652

DOCUMENT-IDENTIFIER: US 5147652 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Autobiotics and their use in eliminating nonself cells in vivo

DATE-ISSUED: September 15, 1992

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Egyud; Laszlo G.	Woods Hole	MA		

US-CL-CURRENT: 424/450; 436/829, 514/675, 514/693

Full	Title	Citation	Front	Review	Classification	Date	Reference	Seq. No.	Alt. Seq. No.	Claims	KWIC	Draw. De
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☐ 13. Document ID: US 4708861 A

L2: Entry 13 of 14

File: USPT

Nov 24, 1987

US-PAT-NO: 4708861

DOCUMENT-IDENTIFIER: US 4708861 A

TITLE: Liposome-gel compositions

DATE-ISSUED: November 24, 1987

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Popescu; Mircea C.	Plainsboro	NJ		
Weiner; Alan L.	Plainsboro	NJ		
Carpenter-Green; Sharon S.	East Windsor	NJ		

US-CL-CURRENT: 424/1.21; 264/4.1, 264/4.32, 424/1.25, 424/450, 424/457, 424/458, 424/460, 424/462, 424/484, 428/402.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Seq. No.	Alt. Seq. No.	Claims	KWIC	Draw. De
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☐ 14. Document ID: US 4542019 A

L2: Entry 14 of 14

File: USPT

Sep 17, 1985

US-PAT-NO: 4542019

DOCUMENT-IDENTIFIER: US 4542019 A

TITLE: Antacid compositions

DATE-ISSUED: September 17, 1985

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lezdey; John	Cherry Hill	NJ	08034	

US-CL-CURRENT: 424/688; 424/450, 424/690, 424/692

Full	Title	Citation	Front	Review	Classification	Date	Reference					Claims	KMC	Draw. De
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Terms	Documents
L1 and (424/450).ccls.	14

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L4: Entry 5 of 11

File: USPT

Aug 29, 2000

DOCUMENT-IDENTIFIER: US 6110443 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Dry stable formation to produce microbubble suspension for ultrasound

Brief Summary Text (28):

In a variant of the method, one may also start with dehydrated liposomes, i.e. liposomes which have been prepared normally by means of conventional techniques in the form of aqueous solutions and thereafter dehydrated by usual means, e.g. such as disclosed in U.S. Pat. No. 4,229,360 also incorporated herein as reference. One of the methods for dehydrating liposomes recommended in this reference is freeze-drying (lyophilization), i.e. the liposome solution is frozen and dried by evaporation (sublimation) under reduced pressure. Prior to effecting freeze-drying, a hydrophilic stabilizer compound is dissolved in the solution, for instance a carbohydrate like lactose or sucrose or a hydrophilic polymer like dextran, starch, PVP, PVA and the like. This is useful in the present invention since such hydrophilic compounds also aid in homogenizing the

Current US Cross Reference Classification (1):424/450

First Hit    Fwd Refs

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L4: Entry 10 of 11

File: USPT

Feb 18, 1992

DOCUMENT-IDENTIFIER: US 5089181 A

TITLE: Method of dehydrating vesicle preparations for long term storage

Brief Summary Text (9):

Research directed to prolonging liposomal stability on storage has focused on liposome preservation in the form of lyophilization. Lyophilization refers to the process whereby a substance is prepared in dry form by rapid freezing and dehydration under high vacuum. Traditional wisdom dictates that phospholipid vesicles cannot be lyophilized successfully. Recent studies done by Drs. John and Lois Crowe at the University of California at Davis indicate that the disaccharide, trehalose, functions as a cryoprotectant during lyophilization and the studies conclude that optimal results are achieved when the cryoprotectant is located inside as well as outside the liposome. L. M. Crowe, et al., 1 Archives of Biochemistry and Physics 242 (1985). See also J. H. Crowe, L. M. Crowe, Cryobiology, 19, 317 (1982) In Biological Membranes, D. Chapman, Ed. (Academic Press, N.Y. 5, 57) in which it was reported that certain organisms such as nematodes, were able to survive dehydration in the presence of trehalose. Battelle Memorial Institute, Basel, has also disclosed the use of proteins and polysaccharides as liposome preservation agents during lyophilization, resulting in reported undamaged liposome levels of only approximately 70%. Schneider, et al., Process for the Dehydration of a Colloidal Dispersion of Liposomes, U.S. Pat. No. 4,229,360 (Oct. 21, 1980). Several other patents have been issued which disclose various methods to preserve liposomes utilizing lyophilization techniques. Evans, et al., Process for Preparing Freeze-Dried Liposome Compositions, U.S. Pat. No. 4,370,349 (Jan. 25, 1983); Weiner, et al., Storage-Stable Lipid Vesicles and Method of Preparation, U.S. Pat. No. 4,397,846 (Aug. 9, 1983); Vanlerberghe, et al., Storage Stability of Aqueous Dispersions of Spherules (Jan. 27, 1981). The stabilizing effect of sugars on sarcoplasmic reticulum subjected to freeze-drying and rehydration, and on microsomes and egg phosphatidylcholine SUV subjected to freeze-thawing have also previously been noted.

Current US Cross Reference Classification (3):424/450

## Hit List

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**Search Results - Record(s) 1 through 11 of 11 returned.**

☐ 1. Document ID: US 6479033 B1

**Using default format because multiple data bases are involved.**

L4: Entry 1 of 11

File: USPT

Nov 12, 2002

US-PAT-NO: 6479033

DOCUMENT-IDENTIFIER: US 6479033 B1

TITLE: Antitumor cystostatic and contrast agent

DATE-ISSUED: November 12, 2002

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reszka; Regina	Schwanebeck			DE
Pohlen; Uwe	Berlin			DE
Stiller; Detlef	Magdeburg			DE
Berger; Gerd	Berlin			DE
Lippmann; Matthias	Berlin			DE

US-CL-CURRENT: [424/9.32](#); [424/450](#), [424/9.3](#), [424/9.36](#), [424/9.4](#), [424/9.45](#)

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Watchdog</a>	<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Draw D</a>
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☐ 2. Document ID: US 6432444 B1

L4: Entry 2 of 11

File: USPT

Aug 13, 2002

US-PAT-NO: 6432444

DOCUMENT-IDENTIFIER: US 6432444 B1

TITLE: Use of bacterial phage associated lysing enzymes for treating dermatological infections

DATE-ISSUED: August 13, 2002

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fischetti; Vincent	West Hempstead	NY		
Loomis; Lawrence	Columbia	MD		

US-CL-CURRENT: 424/443; 424/447, 424/45, 424/450, 424/78.03, 424/78.05, 424/78.06,  
424/78.07, 424/94.1, 514/2, 514/937, 514/944, 514/948

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Figures	Claims	KWIC	Draw. De
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☐ 3. Document ID: US 6248324 B1

L4: Entry 3 of 11

File: USPT

Jun 19, 2001

US-PAT-NO: 6248324

DOCUMENT-IDENTIFIER: US 6248324 B1

TITLE: Bacterial phage associated lysing enzymes for treating dermatological infections

DATE-ISSUED: June 19, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fischetti; Vincent	West Hempstead	NY	11552	
Loomis; Lawrence	Columbia	MD	21044	

US-CL-CURRENT: 424/94.1; 424/430, 424/431, 424/433, 424/436, 424/45, 424/450,  
424/474, 514/2, 514/937

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Figures	Claims	KWIC	Draw. De
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☐ 4. Document ID: US 6238661 B1

L4: Entry 4 of 11

File: USPT

May 29, 2001

US-PAT-NO: 6238661

DOCUMENT-IDENTIFIER: US 6238661 B1

TITLE: Use of bacterial phage associated lysing enzymes for treating various illnesses

DATE-ISSUED: May 29, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fischetti; Vincent	West Hempstead	NY		
Loomis; Lawrence	Columbia	MD		

US-CL-CURRENT: 424/94.1; 424/431, 424/436, 424/440, 424/441, 424/443, 424/45,  
424/450, 424/464, 424/48, 424/489, 424/50, 424/78.03, 424/94.61, 424/DIG.15,  
514/2, 514/924, 514/937, 514/944, 514/948

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Figures	Claims	KWIC	Draw. De
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☐ 5. Document ID: US 6110443 A

L4: Entry 5 of 11

File: USPT

Aug 29, 2000

US-PAT-NO: 6110443

DOCUMENT-IDENTIFIER: US 6110443 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Dry stable formation to produce microbubble suspension for ultrasound

DATE-ISSUED: August 29, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schneider; Michel	Troinex			CH
Bichon; Daniel	Montpellier			FR
Bussat; Philippe	Collonges S/Saleve			FR
Puginier; Jerome	Le Chable-Beaunont			FR
Hybl-Sutherland; Eva	Geneva			CH

US-CL-CURRENT: 424/9.51; 424/450, 424/9.52

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KMC	Draw De
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☐ 6. Document ID: US 5723148 A

L4: Entry 6 of 11

File: USPT

Mar 3, 1998

US-PAT-NO: 5723148

DOCUMENT-IDENTIFIER: US 5723148 A

TITLE: Topical pharmaceutical compositions

DATE-ISSUED: March 3, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Love; William Guy	Horsham			GB2

US-CL-CURRENT: 424/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KMC	Draw De
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☐ 7. Document ID: US 5643553 A

L4: Entry 7 of 11

File: USPT

Jul 1, 1997

US-PAT-NO: 5643553

DOCUMENT-IDENTIFIER: US 5643553 A

TITLE: Stable microbubbles suspensions injectable into living organisms

DATE-ISSUED: July 1, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schneider; Michel	Troinex			CH
Bichon; Daniel	Montpellier			FR
Bussat; Philippe	Collonges S/Saleve			FR
Puginier; Jerome	Le Chable-Beaumont			FR
Hybl-Sutherland; Eva	Wiesbaden			DE

US-CL-CURRENT: 424/9.52; 424/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Figures	Claims	Keywords	Drawings
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☐ 8. Document ID: US 5380519 A

L4: Entry 8 of 11

File: USPT

Jan 10, 1995

US-PAT-NO: 5380519

DOCUMENT-IDENTIFIER: US 5380519 A

TITLE: Stable microbubbles suspensions injectable into living organisms

DATE-ISSUED: January 10, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schneider; Michel	Troinex			CH
Bichon; Daniel	Montpellier			FR
Bussat; Philippe	Collonge S/Saleve			FR
Puginier; Jerome	Le Chable-Beaumont			FR
Hybl-Sutherland; Eva	Wiesbaden			DE

US-CL-CURRENT: 424/9.51; 424/450, 424/9.52, 514/975, 600/458

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Figures	Claims	Keywords	Drawings
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☐ 9. Document ID: US 5271928 A

L4: Entry 9 of 11

File: USPT

Dec 21, 1993

US-PAT-NO: 5271928

DOCUMENT-IDENTIFIER: US 5271928 A

TITLE: Stable microbubbles suspensions injectable into living organisms

DATE-ISSUED: December 21, 1993

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schneider; Michel	Troinex			CH
Bichon; Daniel	Montpellier			FR
Bussat; Philippe	Collonges S/Saleve			FR
Puginier; Jerome	Le Chable-Beaumont			FR
Hybl-Sutherland; Eva	Wiesbaden			DE

US-CL-CURRENT: 424/9.51; 424/450, 514/619, 600/458

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw D
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☐ 10. Document ID: US 5089181 A

L4: Entry 10 of 11

File: USPT

Feb 18, 1992

US-PAT-NO: 5089181

DOCUMENT-IDENTIFIER: US 5089181 A

TITLE: Method of dehydrating vesicle preparations for long term storage

DATE-ISSUED: February 18, 1992

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hauser; Helmut O.	Zurich			CH

US-CL-CURRENT: 424/1.21; 264/4.1, 264/4.3, 424/450, 436/829

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw D
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☐ 11. Document ID: US 4247411 A

L4: Entry 11 of 11

File: USPT

Jan 27, 1981

US-PAT-NO: 4247411

DOCUMENT-IDENTIFIER: US 4247411 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Storage stability of aqueous dispersions of spherules

DATE-ISSUED: January 27, 1981

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vanlerberghe; Guy	Commune de Villevaude			FR
Handjani; Rose-Marie J.	Paris			FR

US-CL-CURRENT: 264/4.6; 424/193.1, 424/283.1, 424/450, 424/491, 424/498, 424/59,  
424/62, 424/65, 424/812, 424/94.3, 514/773, 514/784, 514/788

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. Data
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Terms	Documents
L3 and (424/450).ccls.	11

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